		1141 011841	ATIONECRE	roni			
DUNTRY	Ger	rmany (Russian Zone)		D	ATE DISTR.	21 Octob	er 1948
JBJECT	Pro	ojects under Way at the	Oberspreework	IDEN NAL	O. OF PAGES	2	
ACE QUIRED					O. OF ENCLS.	-3C	
TE CF					UPPLEMENT TO EPORT NO.		50X1-HUM
THE UNITED S S. C., 31 AND S ITS CONTENTS BITED BY LAW. ER, INFORMATIO	TATES T 12, AS AI 18 ARY REPRO	HIFORWATION AFFECTING THE NATIONAL DEFENSI- WITHIN THE MEANING OF THE ESPIONAGE ACT SO MEMORD. ITS TRANSMISSION OF THE REVELATION MANURE TO AN UNAUTHORIZED PERSON IS PRO- PEUCTION OF THIS TOTM IS PROJECTED. MIRED IN BOOT OF THE FORM NAT DE D'ILLIZE Y THE PECELVING AGENCY.	M THIS IS HINEL	VALUATED INFOR		ALYSTS	CH 50X1-HUM
1.		ther development of an teries: This instrument, which the Russians, is the swas employed by a Sovito join the Oberspreew of the iconoscope deve	was used by th ubject of exper et AG which was erk's image tub	e German Navy imentation by recently dis e department.	but was unknown br. Eckard. solved, and i	own to Eclard s schedule e charge	
and the second	b.	Development of the met	er had been sto	 pped as of th	e beginning o	f July 194	.8. the
	c.	7	he operation of	the meter i	s the electro	lysis of	ui.S
	C.	measuring system.	he operation of e observation of of nets covere lytic bath. Wh from the bath t (charging); t owing combustion was attained ement of gas ex	the meter in the amount of the amount of the amount of the second in the second of the platinum of the platinu	s the electro of gas releas um black, whi s are water-t ep through. n the electro 2H2O	lysis of ed in the ch shut ight, the Upon the des effect	
2.	Λο	measuring system. The principle behind to phosphoric acid and the process. The electrodes consist off the actual electrodes which is given off reversal of the current catalytically the follow. A constant temperature a. Through the measures.	he operation of e observation of of nets covere lytic bath. Wh from the bath t (charging), t owing combustion was attained ement of gas ex e compensation uly 1948 to dis	the meter in the amount of the amount of the amount of the second in the tension of the platinum of the platinum of the platinum of the tension of the tensi	s the electro of gas releas um black, whi s are water-t ep through. n the electro 2H2O hamber; n-dividing re	lysis of ed in the ch shut ight, the Upon the des effect sistor.	:s
2.	Λο	measuring system. The principle behind to phosphoric acid and the process. The electrodes consist off the actual electrodes which is given off reversal of the current catalytically the follow. A constant temperature a. Through the measure b. Through temperature conference was held in Justice the process of the conference was held in Justice the principle of the conference was held in Justice the principle of the conference was held in Justice the principle of the conference was held in Justice the conference was held in Justice the principle of the conference was held in Justice the conference was held in Justice the principle of the conference was held in Justice the conference the c	he operation of e observation of of nets covere lytic bath. Wh from the bath t (charging), t owing combustion was attained ement of gas ex e compensation uly 1948 to dis	the meter in the amount of the amount of the amount of the second in the tension of the platinum of the platinum of the platinum of the tension of the tensi	s the electro of gas releas um black, whi s are water-t ep through. n the electro 2H2O hamber; n-dividing re	lysis of ed in the ch shut ight, the Upon the des effect sistor.	aned 50X1-HUM
2.	Λο	measuring system. The principle behind to phosphoric acid and the process. The electrodes consist off the actual electrodes which is given off reversal of the current catalytically the follow. A constant temperature a. Through the measure b. Through temperature conference was held in Justice the process of the conference was held in Justice the principle of the conference was held in Justice the principle of the conference was held in Justice the principle of the conference was held in Justice the conference was held in Justice the principle of the conference was held in Justice the conference was held in Justice the principle of the conference was held in Justice the conference the c	he operation of e observation of of nets covere lytic bath. Wh from the bath t (charging), t owing combustion was attained ement of gas ex e compensation uly 1948 to dis	the meter in the amount of the amount of the amount of the second in the tension of the platinum of the platinum of the platinum of the tension of the tensi	s the electro of gas releas um black, whi s are water-t ep through. n the electro 2H2O hamber; n-dividing re	lysis of ed in the ch shut ight, the Upon the des effect sistor.	seed 50X1-HUM SOL
STATE ARMY	Λο	measuring system. The principle behind to phosphoric acid and the process. The electrodes consist off the actual electrodes which is given off reversal of the current catalytically the follow. A constant temperature a. Through the measure b. Through temperature conference was held in Justice the process of the conference was held in Justice the principle of the conference was held in Justice the principle of the conference was held in Justice the principle of the conference was held in Justice the conference was held in Justice the principle of the conference was held in Justice the conference was held in Justice the principle of the conference was held in Justice the conference the c	he operation of e observation of of nets covere lytic bath. Wh from the bath t (charging), t owing combustion was attained ement of gas ex e compensation uly 1948 to dis	the meter in the amount of the amount of the amount of the second is able to see the platinum of the platinum of the tension in the tension of the tension o	s the electro of gas releas um black, whi s are water-t ep through. n the electro 2H2O hamber; n-dividing re	lysis of ed in the ch shut ight, the Upon the des effect sistor.	med 50X1-HUM

SECRET/CONTSECRET. OFFICIALS ONLY

CENTRAL INTELLIGENCE AGENCY

CONFIDENTIAL

The following items were discussed:

a. High-efficiency oscillograph tube; target date 1949; 100,000 km./sec. recording speed (former limit: 50,000 km./sec.);
b. Granlicht-Filmabtaster (10-inch viewing tube);

- c. Projector tube; picture dimensions: 2.5 x 2.5m; a shortege of smelting metal is holding up production. No decision was reached on the question of developing a small 20 kv home projector, similar to the Arnstadt model,
- 3. Six thousand seven-inch image tubes are scheduled for production by the end of 1948. Glass components are being manufactured at Glashmitte Weisswasser (Osram), but that plant is being gravely overworked. Steinbach (Leuchstoff AG) has been unable to supply the yellow components (N2 yellow/2) for luminous agents. The new supplier, Auergesellschaft, Berlin N 65, is making experiments in the production of yellow luminous substances, but thus far the crystals have turned out to be too coarse. They cannot, furthermore, be mixed with N 1 blue/1 because of its white light. The principal current 50X1-HUM bottleneck is the chortage of cadmium. Fifteen kg. are needed. and Auergesellschaft is attempting to procure the metal
- 4. Discharge tube development is under the supervision of Dr. Thouret, previously of Osram. Mercury high-pressure tubes of the following types are currently being produced:

100 W 30 Att 200 W 70 " 30 " 1 KW 30-40 Att 2 KW 30-40 Ath, quartz bulbs 5 KW in process of development

The productive capacity of the quartz processing plant is low. Also in production are 40 W, 1.5 Ath spectral lamps, sodium vapor lamps, both of the Edison type, and low-pressure nercury tubes.

- Neon lights for airfield illumination are being produced by the Oberspreewerk at the rate of 50 to 70 per month. Verious components are being produced by the Pintsch firm, Berlin. The lights, which consist of soft glass tubes, .9m. long and 40 to 50 mm. in diameter, are housed in tubes of harder glass.
- Light bulbs (Blitzlampen): T = 0.002-3 sec; voltage = 4,000 volts; current ≤ 1,000 Amps. These will be used for anti-aircraft searchlights. Their light intensity will be greater than that of the sun's. They will consist of quartz tubes c. one meter in length, 20mm. in diameter, which will be filled with krypton. Electrodes will be of pure tungsten.

CONFIDENTIAL

CONTROL - U.S. OFFICIALS CHLY

50X1-HUM

